

Appendix F to rule 901:10-2-14 Most Limiting Manure Application Rates.

Table 2. Most Limiting Manure Application Rates for Non-Tiled Fields.

Select the Most Limiting Application Rate Based on the Following Criteria					
Field Situation & Time of Year	Limiting Application Rate Criteria				
	Nitrogen	P ₂ O ₅	K ₂ O	Tons/Ac Gallons/Ac	AWC Table
Non Subsurface Drained (Tiled) Fields					
(July- Sept.) Not Subsurface Drained	(1) Crop Needs factoring N losses	Crop Needs or Crop Removal <250 Lbs/ac	Crop Needs or Crop Removal <500 Lbs/ac		Upper 8"
(Oct. - March) Not Subsurface Drained	(1) Crop Needs factoring N losses	Crop Needs or Crop Removal <250 Lbs/ac	Crop Needs or Crop Removal <500 Lbs/ac		Upper 8"
(April- June) Not Subsurfaced Drained Pasture >20% or Cropland > 15%	(1) Crop Needs factoring N losses	Crop Needs or Crop Removal <250 Lbs/ac	Crop Needs or Crop Removal <500 Lbs/ac	(5) 10 wet tons 5,000 gal/ac-unless contoured strips or incorporate immediately	Upper 8"
(July -Sept.) Not Subsurfaced Drained Pasture >20% or Cropland > 15%	(1) Crop Needs factoring N losses	Crop Needs or Crop Removal <250 Lbs/ac	Crop Needs or Crop Removal <500 Lbs/ac		Upper 8"
Frozen or Snow Cover Not Subsurface Drained	(1) Next year's crop needs factoring N losses	Crop Needs or Crop Removal <250 Lbs/ac	Crop Needs or Crop Removal <500 Lbs/ac	(5) 10 wet tons <50% solids; 5 wet tons >50% solids, liquid manure 5,000 gal/ac	
(Oct. - March) Not Subsurfaced Drained Pasture >20% or Cropland > 15%	(1) Crop Needs factoring N losses	Crop Needs or Crop Removal <250 Lbs/ac	Crop Needs or Crop Removal <500 Lbs/ac	(5) 10 wet tons 5,000 gal/ac-unless contoured strips or incorporate immediately	Upper 8"
<p>(1) Crop Needs factoring N losses - Maximum total nitrogen applied to meet the succeeding crop's recommended NITROGEN requirements for non-legume crops or 150 lbs/ac NITROGEN for the succeeding legume crop. Considers loss of N through application method and time of year.</p>					
<p>(2) 50 lbs/ac as applied N - Nitrogen application limited to 50 lbs/ac based on the addition of the NH₄ or NH₃ (ammonium/ammonia) content of the manure +1/3 of the organic nitrogen content the manure as applied. Considers no losses due to application method or time of year.</p>					
<p>(3) Next year's crop needs as applied N - Maximum total nitrogen applied to meet the succeeding crop's recommended NITROGEN requirements for non-legume crops or 150 lbs/ac NITROGEN for the succeeding legume crop. Considers no losses due to application method or time of year.</p>					
<p>(4) Under special conditions and criteria the rate of P₂O₅ application can be increased to 500 lbs/acre (See Appendix A or rule 901:10-2-14). Frozen or Snow covered ground and fields over 100 ppm Bray P1 soil test are exempt and are always limited to applications less than or equal to 250 lbs/ac P₂O₅</p>					
<p>(5) Wet tons refers to the weight of the manure as it is applied -- include solids and moisture weight.</p>					